| Ref<br>#   | Hits | Search Query                                                                                                                                                                               | DBs                                                     | Default<br>Operator | Plurals | Time Stamp       |
|------------|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|---------------------|---------|------------------|
|            |      | ((optic\$3 near3 delay) or (delay near3 line)) and (sheet near3 substrate) and ("385"/\$ or "359"/\$)                                                                                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2002/06/12 15:17 |
| L1         | 4949 | 385/24                                                                                                                                                                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2005/04/14 11:46 |
| L2         | 4    | (385/15 or 385/16 or 385/17 or 385/18) and (variable near2 optic\$3 near2 delay) and path and curvature                                                                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2005/04/14 11:47 |
| L3         | 4    | L2                                                                                                                                                                                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2005/04/14 11:46 |
| L4         | 0    | 2 and (385/139 or 385/140)                                                                                                                                                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2005/04/14 11:46 |
| L5         | 804  | 385/40                                                                                                                                                                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2005/04/14 11:47 |
| S1         | 3114 | (optic\$3 near4 delay near4 (line or fiber or path))                                                                                                                                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2002/06/06 11:46 |
| <b>S2</b>  | 97   | ((optic\$3 near4 delay near4 (line or fiber or path))) and 385/15                                                                                                                          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2002/06/06 11:46 |
| <b>S</b> 3 | 1    | (((optic\$3 near4 delay near4 (line or<br>fiber or path))) and 385/15) and<br>(((micromechanical or<br>micro\$1mechanical) near3 mirror) or<br>mem) and reflect\$4 and switch and<br>input | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2002/06/06 15:47 |

| S4  | 2     | ((optic\$3 near3 delay) and switch and<br>(optic\$3 near3 path) and mem) and<br>bragg                                                                                                            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2002/06/06 15:50 |
|-----|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|----|----|------------------|
| S5  | 1     | (optic\$3 near3 delay near3 line) and<br>switch and path and mem and<br>reflect\$3 and bragg and substrate and<br>input                                                                          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2002/06/06 16:31 |
| S6  | 0     | "20020067877".URPN.                                                                                                                                                                              | USPAT                                                   | OR | ON | 2002/06/06 15:57 |
| S7  | 0     | "20020067877".URPN.                                                                                                                                                                              | USPAT                                                   | OR | ON | 2002/06/06 15:57 |
| S8  | 57237 | (optic\$3 near3 delay) or (delay near3 lines)                                                                                                                                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2002/06/06 17:05 |
| S9  | 0     | ((optic\$3 near3 delay) or (delay near3 lines) ) and (optic\$3 near3 path) and (optc\$3 near4 switch\$3) and ((micromechanical or micro\$1mechanical) or mem) and reflect\$3 and bragg           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2002/06/06 17:08 |
| S10 | 0     | ((optic\$3 near3 delay) or (delay near3 lines) ) and (optc\$3 near4 switch\$3) and ((micromechanical or micro\$1mechanical) or mem) and reflect\$3 and bragg                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2002/06/06 17:09 |
| S11 | 7     | ((optic\$3 near3 delay) or (delay near3 lines) ) and switch\$3 and ((micromechanical or micro\$1mechanical) or mem) and reflect\$3 and bragg                                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2002/06/07 12:55 |
| S12 | 9     | ((optic\$3 near3 delay) or (delay near3 lines) ) and ((micromechanical or micro\$1mechanical) or mem) and reflect\$3 and bragg                                                                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2002/06/11 12:00 |
| S13 | 25287 | ((optic\$3 near3 delay) or (delay near3 lines) ) and switch\$3                                                                                                                                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2002/06/07 12:57 |
| S14 | 3     | ((((optic\$3 near3 delay) or (delay near3 lines)) and switch\$3) and (plural\$3 near5 (fiber or path)) and reflect\$3 and curv\$6) and ((micromechanical or micro\$1mechanical) or mem)and bragg | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2002/06/07 13:11 |

|     | ·    |                                                                                                                                             |                                                         |    |    |                  |
|-----|------|---------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|----|----|------------------|
| S15 | 2599 | 385/15                                                                                                                                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2002/06/07 13:11 |
| S16 | 2179 | 385/16                                                                                                                                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2002/06/07 13:11 |
| S17 | 942  | 385/17                                                                                                                                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2002/06/07 13:12 |
| S18 | 742  | 385/18                                                                                                                                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2002/06/07 13:12 |
| S19 | 230  | (((optic\$3 near3 delay) or (delay<br>near3 lines)) and switch\$3) and<br>(plural\$3 near5 (fiber or path)) and<br>reflect\$3 and curv\$6   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2002/06/07 13:13 |
| S20 | 230  | (((optic\$3 near3 delay) or (delay<br>near3 lines)) and switch\$3) and<br>(plural\$3 near5 (fiber or path)) and<br>reflect\$3 and curv\$6   | US-PGPUB;<br>USPAT                                      | OR | ON | 2002/06/07 13:13 |
| S21 | 61   | (((optic\$3 near3 delay) or (delay<br>near3 lines)) and switch\$3) and<br>(plural\$3 near5 (fiber or path)) and<br>reflect\$3 and curvature | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2002/06/07 13:16 |
| S22 | 5096 | 385/15 or 385/16 or 385/17 or 385/18                                                                                                        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2002/06/12 15:13 |
| S23 | 3    | (385/15 or 385/16 or 385/17 or 385/18) and (variable near2 optic\$3 near2 delay) and path and curvature                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2002/06/11 12:15 |
| S24 | 3    | (385/15 or 385/16 or 385/17 or 385/18) and (variable near2 optic\$3 near2 delay) and path and curvature and reflect\$3                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2002/06/11 11:55 |

| S25 | 3   | (385/15 or 385/16 or 385/17 or                                                                                                                                | US-PGPUB;                                               | OR   | ON | 2002/06/11 11:56 |
|-----|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|------|----|------------------|
| 323 | 3   | 385/18) and (variable near2 optic\$3 near2 delay) and path and curvature and reflect\$3 and switch and input                                                  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB              | OR   | ON | 2002/06/11 11:56 |
| S26 | 16  | (optic\$3 near3 delay) and switch and (optic\$3 near3 path) and mem                                                                                           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2002/06/11 12:00 |
| S27 | 9   | ((optic\$3 near3 delay) or (delay near3 lines)) and ((micromechanical or micro\$1mechanical) or mem) and bragg                                                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2002/06/12 09:03 |
| S28 | 9   | ((optic\$3 near3 delay) or (delay near3 line)) and ((micromechanical or micro\$1mechanical) or mem) and bragg and reflect\$3 and wavelength                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2002/06/11 12:14 |
| S29 | 6   | (variable near2 optic\$3 near2 delay)<br>and ((micromechanical or<br>micro\$1mechanical) or mem)                                                              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2002/06/11 12:16 |
| S30 | 0   | "5018816".URPN.                                                                                                                                               | USPAT                                                   | OR   | ON | 2002/06/12 08:58 |
| S31 | 0   | "5018816".URPN.                                                                                                                                               | USPAT                                                   | OR   | ON | 2002/06/12 08:58 |
| S32 | 3   | ("4671605"   "4834488"   "4854660").<br>PN.                                                                                                                   | USPAT                                                   | OR   | ON | 2002/06/12 08:58 |
| S33 | 490 | ((optic\$3 near3 delay) or (delay near3 line)) and ((curv\$6 or bent or bend\$3) near5 (fiber or path))                                                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR , | ON | 2002/06/12 10:12 |
| S34 | 194 | (((optic\$3 near3 delay) or (delay<br>near3 line)) and ((curv\$6 or bent or<br>bend\$3) near5 (fiber or path))) and<br>switch                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2002/06/12 09:07 |
| S35 | 78  | ((((optic\$3 near3 delay) or (delay<br>near3 line)) and ((curv\$6 or bent or<br>bend\$3) near5 (fiber or path))) and<br>switch) and (reflector or reflective) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2002/06/12 09:08 |
| S36 | 585 | ((optic\$3 near3 delay) or (delay near3 line)) and (bragg)                                                                                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2002/06/12 11:31 |

| S37 | 0    | ((optic\$3 near3 delay) or (delay near3 line)) and (bragg near15 (switch\$5 near7 (reflect\$5 and transmi\$6)))                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2002/06/12 10:48  |
|-----|------|-----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|----|----|-------------------|
| S38 | 2    | ((optic\$3 near3 delay) or (delay near3 line)) and (bragg) and (switch\$5 near7 (reflect\$5 and transmi\$6))                                        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2002/06/12 10:59  |
| S39 | 2    | (((optic\$3 near3 delay) or (delay<br>near3 line)) and (bragg)) and<br>(switch\$5 near10 (reflect\$8 and<br>transmi\$8))                            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2002/06/12 11:08. |
| S40 | 7    | (((optic\$3 near3 delay) or (delay<br>near3 line)) and (bragg)) and<br>((switch\$5 or select\$5 or choos\$5)<br>near10 (reflect\$8 and transmi\$8)) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2002/06/12 11:15  |
| S41 | 77   | ((optic\$3 near3 delay) or (delay near3 line)) and (sheet near3 substrate)                                                                          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2002/06/12 15:13  |
| S42 | 587  | 359/139                                                                                                                                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2002/06/12 15:13  |
| S43 | 340  | 359/140                                                                                                                                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2002/06/12 15:13  |
| S44 | 859  | 359/139 or 359/140                                                                                                                                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2002/06/12 15:13  |
| S45 | 0    | ((optic\$3 near3 delay) or (delay near3 line)) and (sheet near3 substrate) and (359/139 or 359/140)                                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2002/06/12 15:14  |
| S46 | 5111 | 385/15 or 385/16 or 385/17 or 385/18                                                                                                                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2002/06/12 15:14  |

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|-----|------|--------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|-----|----|------------------|
| S47 | 2    | ((optic\$3 near3 delay) or (delay near3 line)) and (sheet near3 substrate) and ((359/139 or 359/140) or (385/15 or 385/16 or 385/17 or 385/18))        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ÖR  | ON | 2002/06/12 15:15 |
| S48 | 3623 | (optic\$3 near4 delay) near6 (line or fiber or path)                                                                                                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2003/04/09 13:36 |
| S49 | 761  | ((optic\$3 near4 delay) near6 (line or fiber or path)) and "385"/\$4                                                                                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2003/04/09 13:37 |
| S50 | 336  | ((optic\$3 near4 delay) near6 (line or<br>fiber or path)) and (385/15 or 385/16<br>or 385/18 or 385/24)                                                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2003/04/09 13:38 |
| S51 | 233  | (((optic\$3 near4 delay) near6 (line or<br>fiber or path)) and (385/15 or 385/16<br>or 385/18 or 385/24)) and switch\$4                                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2003/04/09 13:38 |
| S52 | 72   | ((((optic\$3 near4 delay) near6 (line or<br>fiber or path)) and (385/15 or 385/16<br>or 385/18 or 385/24)) and switch\$4)<br>and curv\$6               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2003/04/09 13:38 |
| S53 | 31   | (((((optic\$3 near4 delay) near6 (line<br>or fiber or path)) and (385/15 or<br>385/16 or 385/18 or 385/24)) and<br>switch\$4) and curv\$6) and radi\$3 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2003/04/09 13:39 |
| S54 | 3    | ("4671605"   "4834488"   "4854660").<br>PN.                                                                                                            | USPAT                                                   | OR  | ON | 2003/04/09 13:42 |
| S55 | 2    | "6154590".pn.                                                                                                                                          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2003/11/24 10:13 |
| S56 | 6    | bragg near3 (switch\$4 near4 (reflect\$4 and transmi\$6))                                                                                              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2003/11/24 10:20 |
| S57 | 15   | "385"/\$6 and (var\$6 near4 attentuat\$4)                                                                                                              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2003/11/24 10:21 |

| _   |        |                                                                                                                                                                     |                                                         |    |    |                  |
|-----|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|----|----|------------------|
| S58 | 460    | variable near3 optic\$3 near3 delay                                                                                                                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/02/03 08:16 |
| S59 | 6677   | optic\$3 near3 delay                                                                                                                                                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/02/03 08:16 |
| S60 | 646166 | reflector or mirror or mem or micro\$1mirror                                                                                                                        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/02/03 08:16 |
| S61 | 294940 | optic\$3 near3 fiber                                                                                                                                                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/02/03 08:17 |
| S62 | 3100   | (fine or coarse) near8 delay                                                                                                                                        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/02/03 08:17 |
| S63 |        | (variable near3 optic\$3 near3 delay) and (reflector or mirror or mem or micro\$1mirror) and (optic\$3 near3 fiber) and ((fine or coarse) near8 delay)              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/02/03 08:18 |
| S64 | 48     | (optic\$3 near3 delay) and (reflector or<br>mirror or mem or micro\$1mirror) and<br>(optic\$3 near3 fiber) and ((fine or<br>coarse) near8 delay)                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/02/03 08:20 |
| S65 | 14     | "385"/\$6 and ((optic\$3 near3 delay)<br>and (reflector or mirror or mem or<br>micro\$1mirror) and (optic\$3 near3<br>fiber) and ((fine or coarse) near8<br>delay)) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/02/03 10:45 |
| S66 | 27     | "4671605".URPN.                                                                                                                                                     | USPAT                                                   | OR | ON | 2004/02/03 08:24 |
| S67 | 689    | 359/139                                                                                                                                                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/02/03 10:45 |
| S68 | 353    | 359/140                                                                                                                                                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/02/03 10:45 |